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INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference	FOR FURTHER see Notification of (Form PCT/ISA/2	of Transmittal of International Search Report 20) as well as, where applicable, item 5 below.
P0114930WO International application No.	International filing date (day/month/year)	(Earliest) Priority Date (day/month/year)
		00/11/0000
PCT/GB 03/05235	28/11/2003	29/11/2002
Applicant	•	·
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SONY UNITED KINGDOM LIMIT	ED	
according to Article 18. A copy is being t		hority and is transmitted to the applicant
This International Search Report consist X It is also accompanied b	s of a total of <u>4</u> sheets. y a copy of each prior art document cited in this	s report.
Basis of the report		
 With regard to the language, the language in which it was filed, u 	e international search was carried out on the ba nless otherwise indicated under this item.	isis of the international application in the
Authority (Rule 23.1(b)).		
was carried out on the basis of t	he sequence listing :	nternational application, the international search
I I	tional application in written form. ternational application in computer readable for	rm
	to this Authority in written form.	
} <u></u>	to this Authority in computer readble form.	
the statement that the s	ubsequently furnished written sequence listing as filed has been furnished.	does not go beyond the disclosure in the
		is identical to the written sequence listing has bee
2. Certain claims were fo	ound unsearchable (See Box I).	
3. Unity of invention is la	acking (see Box II).	
4. With regard to the title,		
	submitted by the applicant.	
the text has been estab	lished by this Authority to read as follows:	
5. With regard to the abstract,	authoritied by the applicant	
the text has been estat	submitted by the applicant. plished, according to Rule 38.2(b), by this Author the date of mailing of this international search r	ority as it appears in Box III. The applicant may, eport, submit comments to this Authority
i i	ublished with the abstract is Figure No.	22a-c
x as suggested by the ap		None of the figures.
	failed to suggest a figure.	
) Land	ter characterizes the invention.	

INTERNATIONAL SEARCH REPORT



International Application No PCT/GB 03/05235

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A. CLASSIF IPC 7	GO6K9/00		
According to	International Patent Classification (IPC) or to both national classificat	tion and IPC	
B. FIELDS			
IPC 7	cumentation searched (classification system followed by classification G06K		
	ion searched other than minimum documentation to the extent that su		
Electronic da	ata base consulted during the international search (name of data bas	e and, where practical, search terms used	· · · · · · · · · · · · · · · · · · ·
EPO-In	ternal, INSPEC, COMPENDEX, WPI Data,	IBM-TDB, PAJ	
	THE CONCINENT TO BE BELEVANT		
C. DOCUME Category °	ENTS CONSIDERED TO BE RELEVANT Citation of document, with indication, where appropriate, of the rele	evant passages	Relevant to claim No.
Calegory	Chanon of document, with indication, whose appropriate, or the		
A	MING-HSUAN YANG ET AL: "Detectin faces in color images" IMAGE PROCESSING, 1998. ICIP 98. PROCEEDINGS. 1998 INTERNATIONAL CON CHICAGO, IL, USA 4-7 OCT. 1998 ALAMITOS, CA, USA,IEEE COMPUT. SO 4 October 1998 (1998-10-04), page 127-130, XP001044562 ISBN: 0-8186-8821-1 Section "2.3 Geometric Analysis a Postprocessing"	ONFERENCE B, LOS BC, US, BS	1-14
		- /	
X Fur	ther documents are listed in the continuation of box C.	Patent family members are listed	in annex.
"A" docum consi "E" earlier filing "L" docum which citatic "O" docum other	ategories of cited documents: nent defining the general state of the art which is not dered to be of particular relevance document but published on or after the international date ent which may throw doubts on priority claim(s) or is cited to establish the publication date of another on or other special reason (as specified) nent referring to an oral disclosure, use, exhibition or means ent published prior to the international filing date but than the priority date claimed	 "T" later document published after the int or priority date and not in conflict with cited to understand the principle or the invention "X" document of particular relevance; the cannot be considered novel or cannot involve an inventive step when the different cannot be considered to involve an indocument is combined with one or ments, such combination being obvious in the art. "&" document member of the same patent 	the application but learny underlying the claimed invention if be considered to ocument is taken alone claimed invention eventive step when the ore other such docupous to a person skilled
	e actual completion of the international search	Date of mailing of the international se	arch report
	19 May 2004	04/06/2004	
Name and	mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Authorized officer Granger, B	

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International Application No PCT/GB 03/05235

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C.(Continuation) DOC NTS CONSIDERED TO BE RELEVANT Category Citation of document, with indication, where appropriate, of the relevant passages Relevant to claim No.				
A	GARCIA C ET AL: "Face detection using	1-14		
	quantized skin color regions merging and wavelet packet analysis" IEEE TRANS. MULTIMED. (USA), IEEE TRANSACTIONS ON MULTIMEDIA, SEPT. 1999, IEEE, USA,			
	vol. 1, no. 3, September 1999 (1999-09), pages 264-277, XP001191136 ISSN: 1520-9210 page 269, left-hand column, paragraph 2 -	·		
	right-hand column, paragraph 2; figure 5	1-14		
A	ABDEL-MOTTALEB M ET AL: "Face detection in complex environments from color images" IMAGE PROCESSING, 1999. ICIP 99. PROCEEDINGS. 1999 INTERNATIONAL CONFERENCE ON KOBE, JAPAN 24-28 OCT. 1999, PISCATAWAY, NJ, USA, IEEE, US, 24 October 1999 (1999-10-24), pages 622-626, XPO10368788			
	ISBN: 0-7803-5467-2 page 623, right-hand column, paragraph 2			
Α	DAI Y ET AL: "Face-texture model based on SGLD and its application in face detection in a color scene" PATTERN RECOGNITION, PERGAMON PRESS INC. ELMSFORD, N.Y, US, vol. 29, no. 6, 1 June 1996 (1996-06-01),	1-14		
	pages 1007-1017, XP004007084 ISSN: 0031-3203 page 1008, right-hand column, paragraph 1 page 1009, left-hand column; figure 3			
A	HJELMAS E ET AL: "Face Detection: A Survey" COMPUTER VISION AND IMAGE UNDERSTANDING, ACADEMIC PRESS, SAN DIEGO, CA, US, vol. 83, no. 3, September 2001 (2001-09), pages 236-274, XP004434095 ISSN: 1077-3142 page 241, paragraph 2	1-14		
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